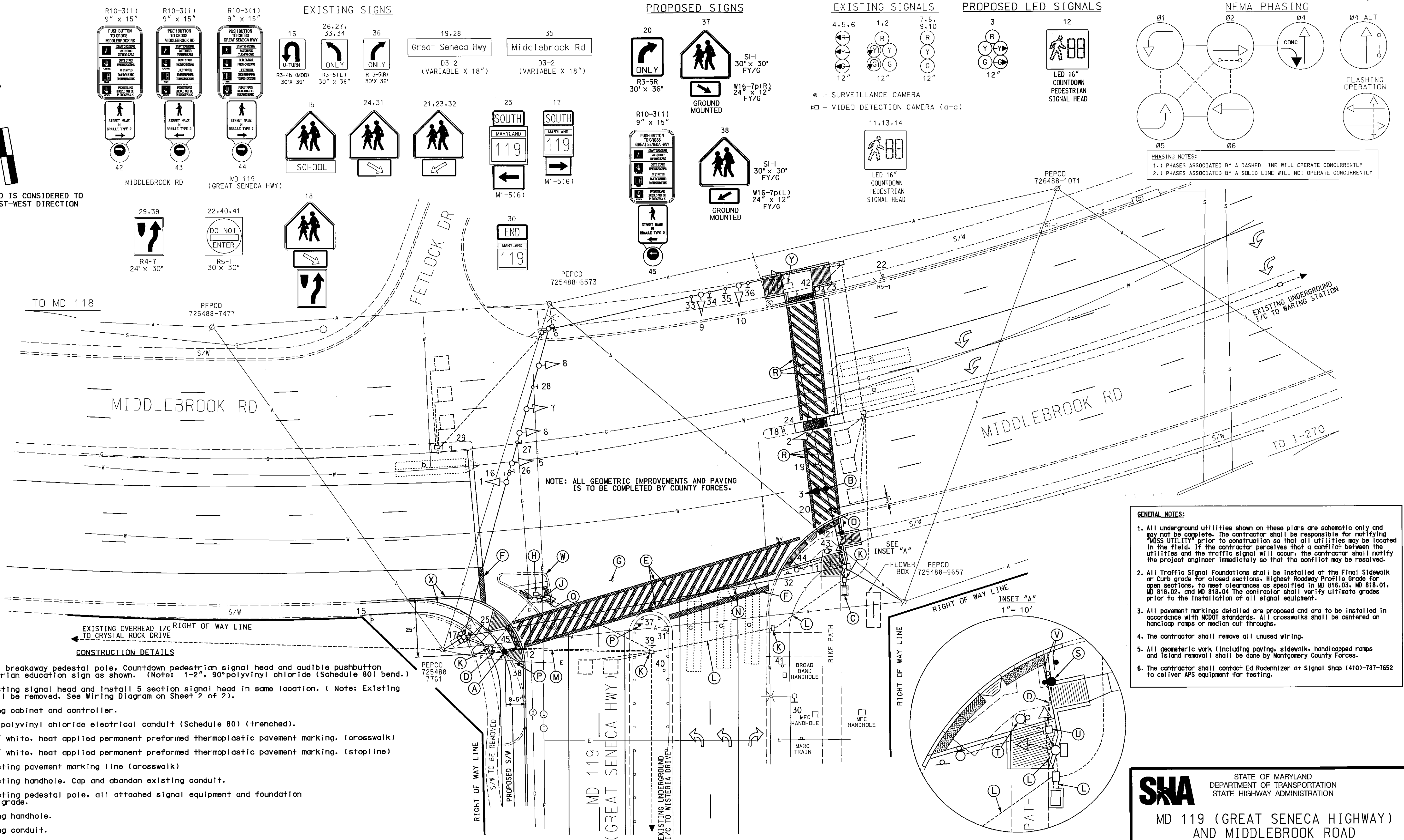


DRILL HOLES

DRILL HOLES

DRILL HOLES

MIDDLEBROOK RD IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION

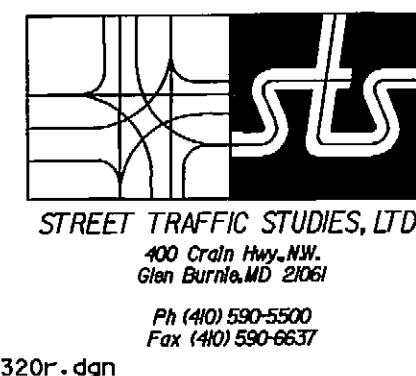


- GENERAL NOTES:**
1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
 2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
 3. All pavement markings detailed are proposed and are to be installed in accordance with MCDOT standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
 4. The contractor shall remove all unused wiring.
 5. All geometric work (including paving, sidewalk, handicapped ramps and island removal) shall be done by Montgomery County Forces.
 6. The contractor shall contact Ed Rodenhizer at Signal Shop (410)-787-7652 to deliver APS equipment for testing.

- CONSTRUCTION DETAILS**
- A. Install 10' breakaway pedestal pole, Countdown pedestrian signal head and audible pushbutton with pedestrian education sign as shown. (Note: 1-2\", 90° polyvinyl chloride (Schedule 80) bend.)
 - B. Remove existing signal head and install 5 section signal head in same location. (Note: Existing wiring shall be removed. See Wiring Diagram on Sheet 2 of 2).
 - C. Use existing cabinet and controller.
 - D. Install 2\" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - E. Install 12\" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)
 - F. Install 24\" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
 - G. Remove existing pavement marking line (crosswalk)
 - H. Remove existing handhole. Cap and abandon existing conduit.
 - J. Remove existing pedestal pole, all attached signal equipment and foundation 12\" below grade.
 - K. Use existing handhole.
 - L. Use existing conduit.
 - M. Install 4\" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
 - N. Remove existing pavement marking line (stopline).
 - O. Install overhead sign onto existing span wire as shown.
 - P. Install ground mounted sign on 4\" x 4\" wood post as shown.
 - Q. Remove existing ground mounted sign.
 - R. Remove existing crosswalk and install 12\" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk) in same location.
 - S. Install 5' pedestal pole (with breakaway coupling system, modified foundation STD No. 801.01-01), audible pushbutton with pedestrian education sign as shown. (Note: 1-2\", 90° polyvinyl chloride (Schedule 80) bend.)

- CONSTRUCTION DETAILS (CONT.)**
- T. Remove existing pedestal pole. (Cap and abandon existing conduit).
 - U. Adjust existing handhole to grade.
 - V. Relocate existing sign nad post as shown.
 - W. Existing channelizing island to be removed by Montgomery County Roadway contractor.
 - X. Geometrics improvements are to be completed by Montgomery County Roadway contractor.
 - Y. Existing \"MFN\" fiber optic junction box to be adjusted by others.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---



APPROVALS	
TEAM LEADER	
ASST. DIV.	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1. REMOVE ED MIDDLEBROOK RD R/T 1-12-12 ISLAND AND RELOCATE SIGNAL EQUIP. SHA NO. 19105185	10-23-07
2. INSTALL CPS AND APS ACROSS EAST AND SOUTH LEGS. SHA NO. 19105185	10-23-07
3. REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO. 19105185 TMS# 6583	10/20/04
JA	JAH
DAZ	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 119 (GREAT SENECA HIGHWAY) AND MIDDLEBROOK ROAD
GERMANTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1\" = 20' DATE 2-10-97 CONTRACT NO. MD17A55/B55

DESIGNED BY R R ZACHERL COUNTY Montgomery
DRAWN BY S R BARANOWSKI LOGMILE 15011907.47
CHECKED BY TMS NO.
F.A.P. NO. TOD NO.

TS NO. 4367D DRAWING NO. 1 OF 3 SHEET NO. OF

PLOTTED: @DATEIME#
FILE: #FILES